



**Inpixon Indoor Positioning Analytics (IPA)** is the industry's only complete solution for fully passive detection and location of rogue cell phones within correctional facilities. Inpixon IPA is a cyber-situational awareness tool that can detect and locate – to within three meters – any connected wireless device emitting a cellular, Wi-Fi, or Bluetooth signal.

Our solution consists of:

- **Sensor units:** Tamper-proof sensors strategically placed throughout a facility and
- **Intuitive, user-friendly software:** correctional managers access a simple web interface that distinguishes between unknown devices, represented by red icons, and known, 'white-listed' devices of staff, represented by blue icons.

Laid upon a digital floor plan of the facility, color-coded devices appear and move in near-real time on the screen as they move throughout the facility. Customized alerts can be sent to selected stakeholders and staff people when rogue devices are detected within covered zones. Users accessing and monitoring the system can easily create and modify customized zones in any polygon shape upon the facility's floor plan.

Inpixon's IPA solution is the only solution that enables correctional institutions to monitor cellular, WiFi, and Bluetooth activity within their facility in a 100% passive and anonymous manner. IPA was built from the ground up to ensure that it complies fully with federal regulations governing mobile detection and control solutions.

Inpixon IPA has been cleared by the FCC as a non-transmitting device.

#### *Addressing Illegal Mobile Use in Prisons*

Contraband cellphones and wireless devices are major security issues for law enforcement and corrections officers. Over the past two decades, prisoners have increasingly used these devices to orchestrate smuggling of more contraband, to facilitate crime on the outside, and to communicate with other prisoners to coordinate uprisings and evade sweeps.

Inpixon IPA not only allows correctional stakeholders to quickly identify threats and confiscate devices, but offers the ability to use a device as an informant. Once a rogue device is identified, an IPA user can follow its path, track where it goes and infer who might use it, and gather critical intelligence prior to confiscation.

Inpixon detects and locates cellular, Bluetooth and Wi-Fi devices within facilities, and easily distinguishes between safe devices carried by employees and rogue devices operating in the facility. Real-time dashboards flag the unauthorized devices and instant alerts let guards see exactly where unauthorized devices are operating, reducing security risks for both staff and inmates.

Below are some of the features of our corrections solution:

#### **Automatic Detection of Cellular and WiFi Devices**

IPA can't be fooled by "over-the-top" WiFi phones or devices that bypass cell networks.



### **Precision locationing**

Automatically detect, locate and track cellular and WiFi devices with 2-3 meter accuracy right from the Inpixon console. No handheld sweeps or portable equipment required.

### **Zone-based policy controls**

Create multiple zones with layered security policies. Supports zones for cellular-permitted, cellular-managed and cellular-prohibited areas as large as a city block or as small as  $10 \times 10$  feet. In conjunction with mobile device managers (MDM), our technology helps ensure that correctional staff do not use certain prohibited apps or phone functions in defined zones of the facility.

### **Managed Access Controls**

Inpixon's web-based management console provides a fast, intuitive way to register, detect and monitor devices within a facility. Registered devices show up as "known" blue icons, and unknown devices show up as red, making it easy to identify rogue devices operating in restricted areas.

### **Real-time alerting and tracking**

Detects and tracks devices in real time. Receive web console-based, email and/or SMS alerts when activity is detected and get real time tracking of device movements throughout the facility with an average three-meter accuracy.

**Device Logging and Forensic Playback** - Inpixon logs all device activity in monitored areas (including information such as date time, device type, call start, call end, etc.), generates reports and charts, and can even play back device movements over minutes, hours, days and months for in-depth forensic analysis.

### **Simple Installation, Won't Interfere with Civilian Cellular**

Inpixon passive sensors install quickly, self-configure, and don't interfere with nearby civilian cellular traffic, making it easier to control rogue devices within the facility without creating problems for local communities.

### *Mobile Detection Types*

**Inpixon IPA** provides reliable, efficient, 24x7 continuous detection and location of mobile activity between 300MHz and 2.6GHz, covering all major current cellular, WiFi, and Bluetooth channels. The 4000SE sensor line, available today, is able to detect a wide range of mobile communication types currently in use, including GSM and LTE.

We are currently developing our next-generation sensor platform, which is software-defined. This capability, which includes a programmable frequency range, will have the capability to be programmed remotely to focus on new particular bands of interest.